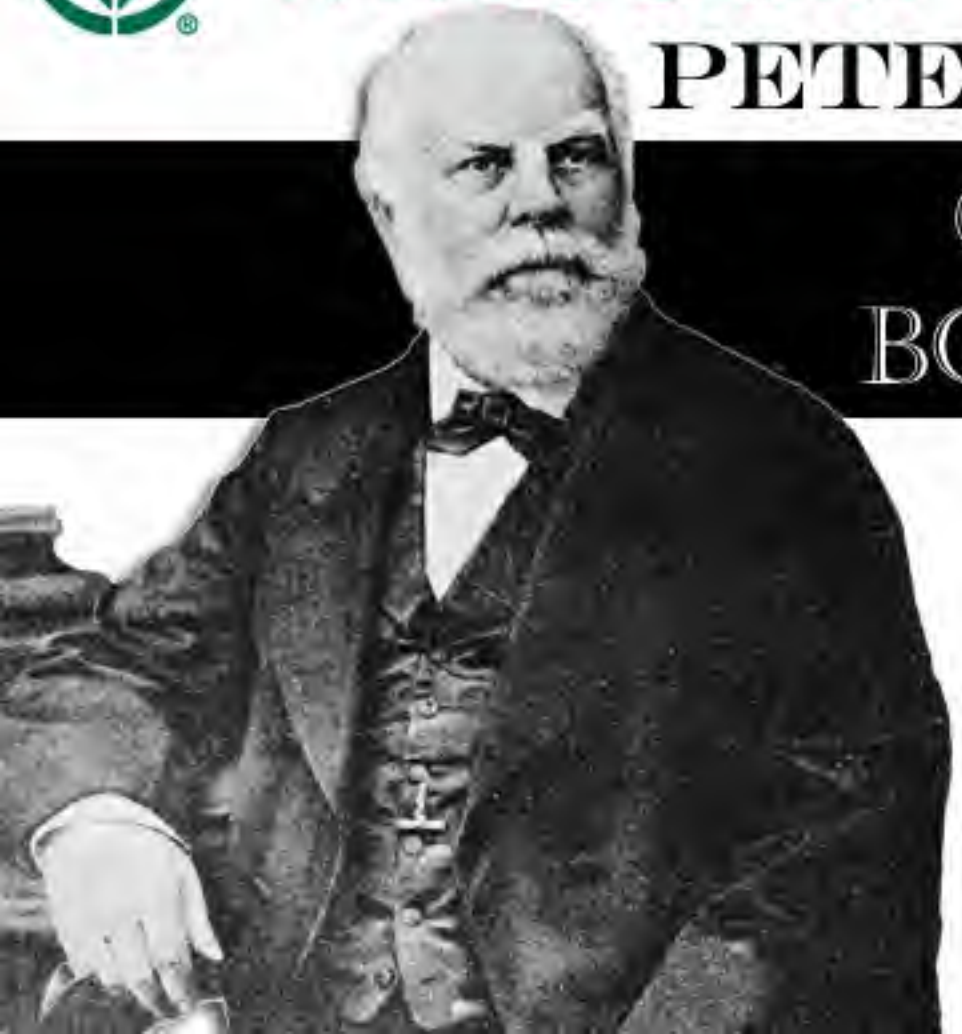
# Missouri Botanical Garden
## Peter H. Raven Library

# George Engelmann Botanical Notebooks



*Pagination Note:*
*Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.*

K Koch ÷ Monatsschrift May 1873

Yucca is Brasilian, introduced by Dillenius, name Maximo

Y. Californica Lemaire Illustrat: Horticole vol X after tab 372

Y. gigantea Lem. ib vol VI. miscell. p. 9½ (91?)

Y. flaccida Carriere (non Haw) Rev. Horticole 1859. p. 556 c tab

Y. orchioides Carr ib. 1861. p. 369 c tab

Y. pendula Carr ib 1859. p. 489 c tab

Y. flexilis Carr ib 1859 p. 398

Y. Treculeana Carr ib (name only) 1858

Herincq. Horticulteur Français 1863

Y. aspera Regel ÷ Horto

Y. funifera Ford, Lemaire Illustr horticole. 866

Y. patens E. André " " 17. 120

Y. elegans Regel (non Haw) Gartenflora 17. p. 161 tab 580

Thanks Masters

Seeds exchanged

20 varieties

0 1 2 3 4 5 6 7 8 9 10 cm
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2 20
1 10
1 15

Sk 25
Sept 25
Wrings 15
Tuesday 25
Subject 105
1 55
2 10

3244

1628

25
35
25
15
1 75
1 15
2 10

Dr. Mary wastaken with a chill about 3 o c to day followed by fever which is going off. ought she to take something to night/ pls if so please send prescription

Mch 2nd

H B Bell

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~~1. A.~~ * Male flowers not spicate, mostly terminal; lobes of the calyx very nearly equal, the bud often but slightly compressed.

1. A. Americanum, Nutt. Slender, dichotomously branched, 1–3 inches high; flowers solitary or clustered, sessile, very small, 1/3 one-third of a line long; fruit becoming short-pedicelled and frequently nodding, 1¼–1½ lines long. — Engelm., in Gray's Pl. Lindheim., p. 214.

Growing on Pinus Banksiana and P. contorta, from the Saskatchewan to Colorado and Oregon, and southward in the Sierra Nevada; Little Yosemite Valley, (Bolander).

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8292

Yucca

J. A. Muenscher writes. Sept 1879. We have two forms of Yucca canaliculata One with very long leaves, and long fruits, 6-7 inches long; the 2d with very short leaves and fruits only 3 inches long.

Yucca angulosis very variable, broader or narrower leaves, almost without filaments, or with long and numerous pendulous filaments Flowers 1-1½ feet high [is that trope or trunk?]

Only the fibrous leaved Yucca furnishes amole (for soap), the roots are beaten with a wooden mallet.

Yucca rupicola and canaliculata yield no amole.

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Rec Jan 26

# The Germantown Nurseries,

Chew Street, below Gorgas,

## Germantown, Philadelphia.

Jany. 23. 1888

Dear Dr. Engelmann,

I sent you a note this morning, and now have yours of 20- The specimen sent ~~not~~ is the one I took the Arundinaria Anjoumia, which, as soon as the seed vessel ripened, I sent its name to.

The following are extracts from my note book, made at noon, on June 21st — with the plants before me:

"Yucca angustifolia.

Pedicel one inch long. 3 outer divisions of the perianth 2 inches long by 1 inch wide; inner 2½ by 2, all light green, terminated by a darker green point, and of a thin papery consistence. Lower flowers drooping in pairs. Closed during the day. Flowers drooping but the ovary becoming erect the second day after being artificially pollenized. (The first flowers were open on June (6th)

the new kind also June 21st - at noon

Pedicel 3/4 inch, drooping becoming erect 2nd day after artificial pollenization. Perianth thick, smooth and with a waxy lustre, white tinged with pink.

outer divisions of the pericarp
2 inches, ~~and~~ long, and only 2 lines
less in width, ~~Exactly expanded~~
Inner ones perfectly circular
2 inches wide, pure waxy
white, broadly expanded at
mid-day, being 3 inches from
the apex of one division to the
apex of the one on the opposite side.
Divisions of pericarp (the inner ones)
mostly of three whorls above
the middle

July 14th Rose is this
note.

"There is nothing to add to my
former note, except that
when pollen has been applied
and takes no effect, the pod-
icels do not become erect. If
effected, it becomes erect
within two days afterwards, -
but when the ovaries are
about one third of the ultimate
size many fall off prematurely through
lack of nutrition for so many
and less than one third remain
to mature."

I had a number mature seed vessels from merely applying pollen to the papillose apex. This was done generally about mid-day in both species.

In addition to this, but not recorded in my notes is the copious exudation of a bitter moisture from the external face of the perianth. In both species, but more copiously in the new kind. It also occurs very abundantly in G. stoniana — so much so as to stain the leaves by the drops. But the quantity varies (sometimes none) from day to day, and ~~sometimes to say~~ I could form no satisfactory assurance to my mind that light, the weather, or any external influence had any thing to do with this variation. I watched it from day to day, and thought of all sorts of things, but gave up all hypotheses, and concluded I did not know! and it is this quality which makes me hesitate about this Genus

8203

Spring I doubt whether
it was because it was dry.
and possibly the cause of spring
whatever it might have
been might operate sometimes
at night as well as sometimes
at day. I feel almost ashamed
to say that after so many years
of thought and study about
diurnal and nocturnal
springs, I feel a real ignorance
about it.

Unfortunately I was only
out among the flowers of this
species and angustifolia one
night, and I have no notes
of any thing peculiar about
their spring then. I cannot
therefore say how they behave
at night. The leaves of the
new one are no wider than
my angustifolia, but, being longer
seem narrower.

I do not remember having
seen seeds.

Sincerely Yours Asa Gray

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## Notes on the genus Yucca

The stately Yuccas of Liliaceous alliance origin had attracted the attention of Europeans long before Linnaeus classed the them known members, and, indeed, three of these were known cultivated in European gardens, two of them, Yucca aloefolia & and Yucca Draconis on the elegant and very accurate figures of cultivated plants by Dr Commelin, published some 160 years ago. Even since then the Yuccas have remained favorite plants in the gardens on account of their palmlike (hence Palmilla of the Mexicans) either rigid (gracefully curved foliage, and spinescent or ~~shooting~~ shooting up from the ground in pleasingly regular masses ~~from the ground~~, or raised into the air on simple or branching trunks, ~~ten or twenty or more feet high~~, all overtopped by ~~often~~ immense white panicles of hundreds of glorious flower bells.

It thus happened that these plants fell into the hands of professed horticulturists, and — perhaps because the herbaria could afford only few and very incomplete specimens — scientific botanists rather shunned them, as they did many other such plants and notably among them the Cacti, with these they share the precious property of being easily propagated from some, perhaps a single, imported specimen; hence the individual peculiarities of such specimens propagated a thousand and a thousand fold in the course of a century ~~or century and a half~~ (for most of our cultivated Yuccas have been they long in the hands of nursery men) at last impress the observer

~~touch~~ & leafy part 14 inches

Scape only 6 inch green

perianth part

parside 4 feet long, very narrow,

wide only 7 or 8 inches

14

Circ of the Green Co

Ent to

Pat Bry

Smallwood

Dr Co Shreve

Robson

Potter

Dr Canby

decline

Veg

3 Eqk

2 Eqk

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1668

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Yucca Whipplei a specimen at
Pasadena, Calif 20 feet high; naked
Scape 8 feet high, 8 inches thick at base;
panicle 12 feet long.
M. E. Jones March 1882.

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Mch. 20/82

Lieber Onkel.

Am 15ten sind wir,
im Polizei-Gefängniß, zu #3.00
Strafe (Kosten) verdonnert worden.

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Yucca whipplei no spreading stems
in cultiv[illegible] (Parish)
Echeveria — monocarpic!
E. San Luis Potosi; spreading
stems very large, and not get
round up in 2½ year old plant!
(Parish)

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A H Curtiss writes Sept 11 1878
that "Yucca filamentosa" never
~~flowers~~ in his region (Jackson-
ville, Florida)

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8247

[Give any information thought desirable, as to profession, etc., of the person recommended.]

.....

.....

.....

[To be signed by two members or fellows of the Association.]

.....

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.....

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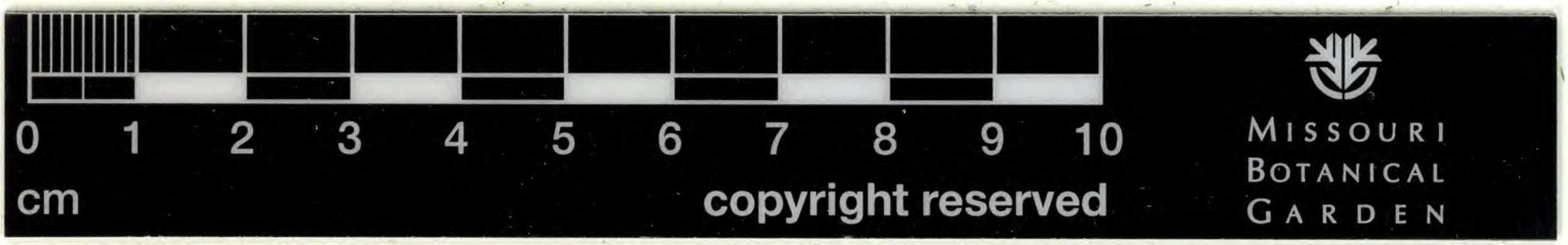
Laid before the Standing Committee at its meeting

on .....

Action of the Committee, .....

If the person recommended is to be present at the meeting, write the word *present* in space under this.



Boynton
1:17

Y. aloifolia
variegata

Y. glorioosa

Washington
Sept 1873

Y. Guatemalensis?

Y. superba

Y. aloifolia

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Yucca glorioza L
fruit and section of same
Bot Garden Washington
Oct 1873

8299

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